

19



1600

RAW SEQUENCE LISTING

DATE: 02/04/2003

PATENT APPLICATION: US/09/863,600E

TIME: 14:27:37

Input Set : A:\PRI0014.ST25.txt

Output Set: N:\CRF4\02042003\I863600E.raw

3 <110> APPLICANT: Smith-Swintosky, Virginia
 4 Renzi, Michael
 5 Plata-Salaman, Carlos
 6 Jolliffe, Linda
 7 Farrell, Francis
 8 Johnson, Dana
 10 <120> TITLE OF INVENTION: Neuroprotective Peptides
 12 <130> FILE REFERENCE: PRI-0014 (ORT-1436)
 14 <140> CURRENT APPLICATION NUMBER: 09/863,600E
 15 <141> CURRENT FILING DATE: 2001-05-23
 17 <150> PRIOR APPLICATION NUMBER: 60/207,654
 18 <151> PRIOR FILING DATE: 2000-05-26
 20 <160> NUMBER OF SEQ ID NOS: 49
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 10
 26 <212> TYPE: PRT
 27 <213> ORGANISM: Artificial Sequence
 29 <220> FEATURE:
 30 <223> OTHER INFORMATION: Synthetic Peptide
 33 <220> FEATURE:
 34 <221> NAME/KEY: misc_feature /
 35 <222> LOCATION: (1)..(1)
 36 <223> OTHER INFORMATION: Xaa is Cys,Glu,Ala,a-amino gamma bromobutyric
 acid,homocysteine
 38 <220> FEATURE:
 39 <221> NAME/KEY: misc_feature /
 40 <222> LOCATION: (2)..(2)
 41 <223> OTHER INFORMATION: Xaa is Arg,His,Tyr,Leu,Val
 43 <220> FEATURE:
 44 <221> NAME/KEY: misc_feature /
 45 <222> LOCATION: (3)..(3)
 46 <223> OTHER INFORMATION: Xaa is Met,Phe,Ile
 48 <220> FEATURE:
 49 <221> NAME/KEY: misc_feature /
 50 <222> LOCATION: (6)..(6)
 51 <223> OTHER INFORMATION: Xaa is any L or D amino acid
 53 <220> FEATURE:
 54 <221> NAME/KEY: misc_feature /
 55 <222> LOCATION: (9)..(9)
 56 <223> OTHER INFORMATION: Xaa is Asp,Glu,Ile,Leu,Val
 58 <220> FEATURE:
 59 <221> NAME/KEY: misc_feature /
 60 <222> LOCATION: (10)..(10)

ENTERED

RAW SEQUENCE LISTING

DATE: 02/04/2003

PATENT APPLICATION: US/09/863,600E

TIME: 14:27:37

Input Set : A:\PRI0014.ST25.txt

Output Set: N:\CRF4\02042003\I863600E.raw

```

61 <223> OTHER INFORMATION: Xaa is Cys,Lys,Ala,alfa amino gamma bromobutyric
62     acid,homocysteine
64 <400> SEQUENCE: 1
W--> 66 Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa
67 1           5           10
70 <210> SEQ ID NO: 2
71 <211> LENGTH: 12
72 <212> TYPE: PRT
73 <213> ORGANISM: Artificial Sequence
75 <220> FEATURE:
76 <223> OTHER INFORMATION: Synthetic Peptide
79 <220> FEATURE:
80 <221> NAME/KEY: misc_feature
81 <222> LOCATION: (2)..(2)
82 <223> OTHER INFORMATION: Xaa is any L or D amino acid
84 <220> FEATURE:
85 <221> NAME/KEY: misc_feature
86 <222> LOCATION: (3)..(3)
87 <223> OTHER INFORMATION: Xaa is Cys
89 <220> FEATURE:
90 <221> NAME/KEY: misc_feature
91 <222> LOCATION: (4)..(4)
92 <223> OTHER INFORMATION: Xaa is any any L or D amino acid
94 <220> FEATURE:
95 <221> NAME/KEY: misc_feature
96 <222> LOCATION: (5)..(5)
97 <223> OTHER INFORMATION: Xaa is any any L or D amino acid
99 <220> FEATURE:
100 <221> NAME/KEY: misc_feature
101 <222> LOCATION: (8)..(8)
102 <223> OTHER INFORMATION: Xaa is Cys
104 <220> FEATURE:
105 <221> NAME/KEY: misc_feature
106 <222> LOCATION: (11)..(11)
107 <223> OTHER INFORMATION: Xaa is any any L or D amino acid
109 <220> FEATURE:
110 <221> NAME/KEY: misc_feature
111 <222> LOCATION: (12)..(12)
112 <223> OTHER INFORMATION: Xaa is any any L or D amino acid
114 <400> SEQUENCE: 2
W--> 116 Tyr Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa
117 1           5           10
120 <210> SEQ ID NO: 3
121 <211> LENGTH: 16
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: Synthetic Peptide
129 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 02/04/2003

PATENT APPLICATION: US/09/863,600E

TIME: 14:27:37

Input Set : A:\PRI0014.ST25.txt

Output Set: N:\CRF4\02042003\I863600E.raw

```

130 <221> NAME/KEY: misc_feature
131 <222> LOCATION: (1)..(1)
132 <223> OTHER INFORMATION: Xaa is any L or D amino acid
134 <220> FEATURE:
135 <221> NAME/KEY: misc_feature
136 <222> LOCATION: (3)..(3)
137 <223> OTHER INFORMATION: Xaa is any L or D amino acid
139 <220> FEATURE:
140 <221> NAME/KEY: misc_feature
141 <222> LOCATION: (4)..(4)
142 <223> OTHER INFORMATION: Xaa is Cys, Glu, Ala
144 <220> FEATURE:
145 <221> NAME/KEY: misc_feature
146 <222> LOCATION: (5)..(5)
147 <223> OTHER INFORMATION: Xaa is Arg, His, Tyr
149 <220> FEATURE:
150 <221> NAME/KEY: misc_feature
151 <222> LOCATION: (6)..(6)
152 <223> OTHER INFORMATION: Xaa is Met, Phe, Ile
154 <220> FEATURE:
155 <221> NAME/KEY: misc_feature
156 <222> LOCATION: (9)..(9)
157 <223> OTHER INFORMATION: Xaa is any L or D amino acid
159 <220> FEATURE:
160 <221> NAME/KEY: misc_feature
161 <222> LOCATION: (12)..(12)
162 <223> OTHER INFORMATION: Xaa is Cys, Lys, Ala
164 <220> FEATURE:
165 <221> NAME/KEY: misc_feature
166 <222> LOCATION: (13)..(13)
167 <223> OTHER INFORMATION: Xaa is any L or D amino acid
169 <220> FEATURE:
170 <221> NAME/KEY: misc_feature
171 <222> LOCATION: (14)..(14)
172 <223> OTHER INFORMATION: Xaa is any L or D amino acid
174 <220> FEATURE:
175 <221> NAME/KEY: misc_feature
176 <222> LOCATION: (15)..(15)
177 <223> OTHER INFORMATION: Xaa is any L or D amino acid
179 <220> FEATURE:
180 <221> NAME/KEY: misc_feature
181 <222> LOCATION: (16)..(16)
182 <223> OTHER INFORMATION: Xaa is any L or D amino acid
184 <400> SEQUENCE: 3
W--> 186 Xaa Tyr Xaa Xaa Xaa Xaa Gly Pro Xaa Thr Trp Xaa Xaa Xaa Xaa Xaa
      187 1           5           10           15
190 <210> SEQ ID NO: 4
191 <211> LENGTH: 16
192 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/863,600E

DATE: 02/04/2003

TIME: 14:27:37

Input Set : A:\PRI0014.ST25.txt

Output Set: N:\CRF4\02042003\I863600E.raw

```

193 <213> ORGANISM: Artificial Sequence
195 <220> FEATURE:
196 <223> OTHER INFORMATION: Synthetic Peptide
199 <220> FEATURE:
200 <221> NAME/KEY: misc_feature
201 <222> LOCATION: (1)..(1)
202 <223> OTHER INFORMATION: Xaa is L or D amino acid
204 <220> FEATURE:
205 <221> NAME/KEY: misc_feature
206 <222> LOCATION: (3)..(3)
207 <223> OTHER INFORMATION: Xaa is L or D amino acid
209 <220> FEATURE:
210 <221> NAME/KEY: misc_feature
211 <222> LOCATION: (5)..(5)
212 <223> OTHER INFORMATION: Xaa is Arg, His, or Tyr
214 <220> FEATURE:
215 <221> NAME/KEY: misc_feature
216 <222> LOCATION: (6)..(6)
217 <223> OTHER INFORMATION: Xaa is Met, Phe, or lle
219 <220> FEATURE:
220 <221> NAME/KEY: misc_feature
221 <222> LOCATION: (9)..(9)
222 <223> OTHER INFORMATION: Xaa is L or D amino acid
224 <220> FEATURE:
225 <221> NAME/KEY: misc_feature
226 <222> LOCATION: (12)..(12)
227 <223> OTHER INFORMATION: Xaa is Cys, Lys, or Ala
229 <220> FEATURE:
230 <221> NAME/KEY: misc_feature
231 <222> LOCATION: (14)..(16)
232 <223> OTHER INFORMATION: Xaa is L or D amino acid
234 <400> SEQUENCE: 4
W--> 236 Xaa Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Xaa Xaa
      237 1          5          10          15
240 <210> SEQ ID NO: 5
241 <211> LENGTH: 16
242 <212> TYPE: PRT
243 <213> ORGANISM: Artificial Sequence
245 <220> FEATURE:
246 <223> OTHER INFORMATION: Synthetic Peptide
249 <220> FEATURE:
250 <221> NAME/KEY: misc_feature
251 <222> LOCATION: (1)..(1)
252 <223> OTHER INFORMATION: Xaa is any L or D amino acid
254 <220> FEATURE:
255 <221> NAME/KEY: misc_feature
256 <222> LOCATION: (3)..(3)
257 <223> OTHER INFORMATION: Xaa is L or D amino acid
259 <220> FEATURE:

```

RAW SEQUENCE LISTING

DATE: 02/04/2003

PATENT APPLICATION: US/09/863,600E

TIME: 14:27:37

Input Set : A:\PRI0014.ST25.txt

Output Set: N:\CRF4\02042003\I863600E.raw

```

260 <221> NAME/KEY: misc_feature
261 <222> LOCATION: (5)..(5)
262 <223> OTHER INFORMATION: Xaa is Arg, His
264 <220> FEATURE:
265 <221> NAME/KEY: misc_feature
266 <222> LOCATION: (6)..(6)
267 <223> OTHER INFORMATION: Xaa is Met, Phe
269 <220> FEATURE:
270 <221> NAME/KEY: misc_feature
271 <222> LOCATION: (9)..(9)
272 <223> OTHER INFORMATION: Xaa is Ile, Leu, Thr, Met, Val
274 <220> FEATURE:
275 <221> NAME/KEY: misc_feature
276 <222> LOCATION: (12)..(12)
277 <223> OTHER INFORMATION: Xaa is Asp, Val
279 <220> FEATURE:
280 <221> NAME/KEY: misc_feature
281 <222> LOCATION: (14)..(14)
282 <223> OTHER INFORMATION: Xaa is Gly, Lys, Leu, Gln, Arg, Ser, Thr
284 <220> FEATURE:
285 <221> NAME/KEY: misc_feature
286 <222> LOCATION: (15)..(15)
287 <223> OTHER INFORMATION: Xaa is Ala, Gly, Pro, Arg, Tyr
289 <220> FEATURE:
290 <221> NAME/KEY: misc_feature
291 <222> LOCATION: (16)..(16)
292 <223> OTHER INFORMATION: Xaa is L or D amino acid
294 <400> SEQUENCE: 5
W--> 296 Xaa Tyr Xaa Cys Xaa Xaa Gly Pro Xaa Thr Trp Xaa Cys Xaa Xaa Xaa
      297 1          5          10          15
300 <210> SEQ ID NO: 6
301 <211> LENGTH: 16
302 <212> TYPE: PRT
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Synthetic Peptide
309 <220> FEATURE:
310 <221> NAME/KEY: misc_feature
311 <222> LOCATION: (1)..(1)
312 <223> OTHER INFORMATION: Xaa is Asp, Glu, Leu, Asn, Ser, Thr, Val
314 <220> FEATURE:
315 <221> NAME/KEY: misc_feature
316 <222> LOCATION: (3)..(3)
317 <223> OTHER INFORMATION: Xaa is Ala, His, Lys, Leu, Met, Ser, Thr
319 <220> FEATURE:
320 <221> NAME/KEY: misc_feature
321 <222> LOCATION: (5)..(5)
322 <223> OTHER INFORMATION: Xaa is Arg, His
324 <220> FEATURE:

```

RAW SEQUENCE LISTING ERROR SUMMARY
PATENT APPLICATION: US/09/863,600E

DATE: 02/04/2003
TIME: 14:27:38

Input Set : A:\PRI0014.ST25.txt
Output Set: N:\CRF4\02042003\I863600E.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; Xaa Pos. 1, 2, 3, 6, 9, 10
Seq#:2; Xaa Pos. 2, 3, 4, 5, 8, 11, 12
Seq#:3; Xaa Pos. 1, 3, 4, 5, 6, 9, 12, 13, 14, 15, 16
Seq#:4; Xaa Pos. 1, 3, 5, 6, 9, 12, 14, 15, 16
Seq#:5; Xaa Pos. 1, 3, 5, 6, 9, 12, 14, 15, 16
Seq#:6; Xaa Pos. 1, 3, 5, 6, 9, 12, 14, 15, 16
Seq#:37; Xaa Pos. 4
Seq#:38; Xaa Pos. 4
Seq#:39; Xaa Pos. 4
Seq#:40; Xaa Pos. 4
Seq#:41; Xaa Pos. 4
Seq#:42; Xaa Pos. 4
Seq#:43; Xaa Pos. 1
Seq#:47; Xaa Pos. 1, 2, 3, 4, 5, 6, 7, 8
Seq#:48; Xaa Pos. 1, 2, 5, 8
Seq#:49; Xaa Pos. 1, 2, 3, 4, 5, 8, 11, 12